MyHRRR Smart Initialization (Version 1.0)

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This smart initialization for the High Resolution Rapid Refresh (HRRR) model makes use of data available in AWIPS D2D to some offices via LDM in order to provide display of several grid fields in GFE. Since the LDM feed only provides a limited data set to most offices, the HRRR smart initialization is based mostly off of surface and raw model data because vertical cubes are not yet readily available. Version 1.0 of the MyHRRR smart initialization is therefore not as robust as some other commonly used initializations. Later versions will make use of the full set of HRRR data as it becomes available within D2D.

The HRRR smart initialization allows for display of the following GFE grids:

- **Temperature (Including Maximum and Minimum Temperature)**
- **Dewpoint**
- **Relative Humidity (Including Maximum and Minimum Relative Humidity)**
- **Wind**
- **Wind Gust**
- **QPF**
- **PoP**
- **Ceiling Height**
- **Visibility**
- **Sky**
- **Snow Amount**
- **Weather Type**
- **Radar Analysis at 1000 m AGL**

INSTALLATION INSTRUCTIONS:

1) Download the MyHRRRInit.tar file from the Smart Tool Repository and move the file to the /data/local/ directory.
2) Log in as 'ifps' on dx4, go to /data/local/ and enter the following command:
   tar –xvf MyHRRRInit.tar
3) Copy the MyHRRR.py file to the proper location in the SITE directory using the following command:
   cp MyHRRR.py /awips/GFESuite/primary/etc/SITE
4) Make a backup of your current localConfig.py file using the following commands:
   cd /awips/GFESuite/primary/etc/SITE
   cp localConfig.py localConfig.backup
5) Open the localconfig.hrrr file with an editor. Copy and paste the contents of localconfig.hrrr into your localConfig.py file.
   *Note: the serverConfig.D2DDIRS.append line will need to be changed if your HRRR data is stored in a different directory than that listed in the default configuration.
6) Stop and start the IFPS server and watch HRRR data flow into GFE!